



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

1530.0550001/JUK/JCI

APPLICATION NO.

10/719,978

FIRST NAMED INVENTOR

Budahazi *et al.*

FILING DATE

November 24, 2003

ART UNIT

1645

1637

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
TS	AA1	5,561,064	10/01/1996	Marquet <i>et al.</i>			02/01/1994
	AB1	5,576,196	11/19/1996	Horn <i>et al.</i>			01/13/1995
	AC1	5,707,812	01/13/1998	Horn <i>et al.</i>			08/06/1996
	AD1	6,011,148	01/04/2000	Bussey <i>et al.</i>			08/01/1996
	AE1	6,087,491	07/11/2000	Tang <i>et al.</i>			05/02/1997
	AF1	6,214,586 B1	04/10/2001	McNeilly			12/08/1997
	AG1	2001/0034435 A1	10/25/2001	Nochumson <i>et al.</i>			01/29/2001
	AH1	6,310,186 B1	10/30/2001	Wilson <i>et al.</i>			04/03/2000
	AI1	2001/0043916 A1	11/22/2001	McNeilly <i>et al.</i>			12/20/2000
	AJ1	2002/0019358 A1	02/14/2002	Manthorpe <i>et al.</i>			04/23/2001
TS	AK1	6,441,160 B2	08/27/2002	Kitamura <i>et al.</i>			05/11/1999

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
TS	AL1	WO 95/21250	08/10/1995	WIPO			Yes No
	AM1	WO 96/01268	01/18/1996	WIPO			Yes No
	AN1	EP 0 964 057 A1	12/15/1999	Europe			Yes No
	AO1	WO 00/20114	04/13/2000	WIPO			Yes No
TS	AP1	WO 00/73318	12/07/2000	WIPO			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TS	AR	1	Sankar, V., <i>et al.</i> , "Salivary gland delivery of pDNA-cationic lipoplexes elicits systemic immune responses," <i>Oral Diseases</i> 8:275-281, Blackwell Munksgaard (November 2002)
	AS	1	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
TS	AL2	WO 01/07597	02/01/2001	WIPO			Yes
							No
TS	AM2	WO 02/04027	01/17/2002	WIPO			Yes
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	AN						Yes
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	AO						Yes
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	AP						Yes
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
TS	AA2	4,900,677	02/13/1990	Hewitt			09/26/1986
TS	AB2	4,923,978	05/08/1990	McCormick			12/28/1987
TS	AC2	4,935,342	06/19/1990	Seligson <i>et al.</i>			12/01/1986
TS	AD2	4,946,952	08/07/1990	Kiefer			04/01/1988
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
TS	AN2	EP 0 512 767 A1	11/11/1992	Europe			Yes No
TS	AO2	EP 0 512 768 A1	11/11/1992	Europe			Yes No
TS	AP2	EP 0 517 515 A2	12/09/1992	Europe			Yes No

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	AR		
TS	AS	1	Birnboim, H.C., and Doly, T., "A rapid alkaline extraction procedure for screening recombinant plasmid DNA," <i>Nucleic Acids Res</i> 7:1513-1523, Oxford University Press (1979)
TS	AT	1	Bolivar, F., <i>et al.</i> , "Construction and Characterization of New Cloning Vehicles II. A Multipurpose Cloning System," <i>Gene</i> 2:95-113, Elsevier/North-Holland (1977)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
TS	AL3	WO 92/13963	08/20/1992	WIPO			Yes No
↓	AM3	DE 43 21 904 A1	01/12/1995	Germany			Yes X No
↓	AN3	JP 09-509313	09/22/1997	Japan			Yes X No
↓	AO3	WO 98/05767	02/12/1998	WIPO			Yes No
TS	AP3	EP 0 742 820	04/02/2003	Europe			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TS	AR	2	Bywater, M., <i>et al.</i> , "A Novel Chromatographic Procedure for Purification of Bacterial Plasmids," <i>Analytical Biochemistry</i> 132:219-224, Academic Press (1983)
TS	AS	2	Cole, K.D., "Purification of Plasmid and High Molecular Mass DNA Using PEG-Salt Two-Phase Extraction," <i>BioTechniques</i> 11:18-24, Eaton Publishing Company (1991)
TS	AT	2	Diogo, M.M., <i>et al.</i> , "Separation and Analysis of Plasmid Denatured Forms Using a Hydrophobic Interaction Chromatography," <i>Analytical Biochemistry</i> 275:122-124, Academic Press (1999)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
TS	AL4	WO 2004/060277	07/22/2004	WIPO			Yes No
TS	AM4	EP 0 920 497 B1	01/26/2005	WIPO			Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TS	AR	3	Ferreira, G.N., <i>et al.</i> , "Downstream processing of plasmid DNA for gene therapy and DNA vaccine applications," <i>TIBTECH</i> 18:380-388, Elsevier Science Ltd (2000)
TS	AS	3	Godson, G.N., <i>et al.</i> , "A Simple Method of Preparing Large Amounts of Φ X174 RF I Supercoiled DNA," <i>Biochimica et Biophysica Acta</i> 299:516-520, Elsevier (1973)
TS	AT	3	Goldberg, S., and Lau, A.F., "Transfection of Mammalian Cells with PEG-Purified Plasmid DNA," <i>BioTechniques</i> 14:548, 550, Eaton Publishing Company (1993)

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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TS	AR	4	Gorman, C., <i>et al.</i> , "High Efficiency DNA-Mediated Transformation of Primate Cells," <i>Science</i> 221:551-553, American Association for the Advancement of Science (1983)
TS	AS	4	Gorman, C., <i>et al.</i> , "The Rous sarcoma virus long terminal repeat is a strong promoter when introduced into a variety of eukaryotic cells by DNA-mediated transfection," <i>Proc. Natl. Acad. Sci. USA</i> 79:6777-6781, National Academy of Sciences (1982)
TS	AT	4	Harding, J.D., <i>et al.</i> , "Rapid isolation of DNA from complex biological samples using a novel capture reagent-methidium-spermine-sepharose," <i>Nucleic Acids Res.</i> 17:6947-6958 (1989)

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	AO						Yes
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	AP						Yes
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TS	AR	5	Hillen, W., <i>et al.</i> , "Preparation of Milligram Amounts of 21 Deoxyribonucleic Acid Restriction Fragments," <i>Biochemistry</i> 20:3748-3756, American Chemical Society (1981)
TS	AS	5	Hines, R.N., <i>et al.</i> , "Large-Scale Purification of Plasmid DNA by Anion-Exchange High-Performance Liquid Chromatography," <i>BioTechniques</i> 12:430-434, Eaton Publishing Company (1992)
TS	AT	5	Horn, N.A., <i>et al.</i> , "Cancer Gene Therapy Using Plasmid DNA: Purification of DNA for Human Clinical Trials," <i>Hum. Gene Ther.</i> 6:565-573, M.A. Liebert (1995)

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ART UNIT 1637
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	AN						Yes
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	AO						Yes
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	AP						Yes
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OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

TS	AR	6	Johnson, T.R., <i>et al.</i> , "Large-Scale Isolation of Plasmid DNA and Purification of λ Phage DNA Using Hydroxylapatite Chromatography," <i>Analytical Biochemistry</i> 132:20-25, Academic Press (1983)
TS	AS	6	Just, L., <i>et al.</i> , "Rapid High-Yield Purification of Plasmids by Alkaline Extraction, PEG Precipitation and Agarose Gel Chromatography," <i>BioTechniques</i> 1:136-140, Eaton Publishing Company (1983)
TS	AT	6	Kasai, K., "Size-dependent chromatographic separation of nucleic acids," <i>J. Chromatogr.</i> 618:203-221, Elsevier Science Publishers, B.V. (1993)

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	AO						Yes
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	AP						Yes
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TS	AR	1	Kozak, M., "An analysis of 5'-noncoding sequences from 699 vertebrate messenger RNAs," <i>Nucleic Acid Res.</i> 15:8125-8148, Oxford University Press (1987)
TS	AS	1	Lech, K., and Brent, R., "Minipreps of Plasmid DNA," in <i>Current Protocols in Molecular Biology</i> , Greene Publishing Assoc. & Wiley, New York, NY, pp. 1.6.1-1.6.6 (1987)
TS	AT	1	Lew, D., <i>et al.</i> , "Cancer Gene Therapy Using Plasmid DNA: Pharmacokinetic Study of DNA Following Injection in Mice," <i>Hum. Gene Ther.</i> 6:553-564, M.A. Liebert (May 1995)

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	AO						Yes
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	AP						Yes
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TS	AR	§	Lis, J.T., "Fractionation of DNA Fragments by Polyethylene Glycol Induced Precipitation," <i>Methods Enzymol</i> , 65:347-353, Academic Press (1980)
TS	AS	§	Lis, J.T., and Scheif, R., "Size fractionation of double-stranded DNA by precipitation with polyethylene glycol," <i>Nucleic Acids Res.</i> 2:383-389, Oxford University Press (1975)
TS	AT	§	Mahon, K.A., <i>et al.</i> , "Prenatal lethality in a transgenic mouse line is the result of a chromosomal translocation," <i>Proc. Natl. Acad. Sci USA</i> 85:1165-1168, National Academy of Sciences (1988)

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TS	AR	2	Marko, M.A., <i>et al.</i> , "A Procedure for the Large-Scale Isolation of Highly Purified Plasmid DNA Using Alkaline Extraction and Binding to Glass Powder," <i>Analytical Biochemistry</i> 121:382-387, Academic Press (1982)
TS	AS	2	McClung, J.K., and Gonzales, R.A., "Purification of Plasmid DNA by Fast Protein Liquid Chromatography on Superose 6 Preparative Grade," <i>Analytical Biochemistry</i> 177:378-382, Academic Press (1989)
TS	AT	2	Moore, D., "CsCl/Ethidium Bromide Preparations of Plasmid DNA," in <i>Current Protocols in Molecular Biology</i> , Greene Publishing Assoc. & Wiley, New York, NY, pp. 1.7.1-1.7.7 (1987)

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TS	AR	<u>10</u>	Mori, A., and Ogita, Z.-I., "Raid and Economical Method for Purification of Plasmid DNA," <i>The Physico-Chemical Biology</i> 29:41-45, Japanese Electrophoresis Society (1985)
TS	AS	<u>10</u>	Nabel, G.J., <i>et al.</i> , "Direct gene transfer with DNA-liposome complexes in melanoma: Expression, biological activity, and lack of toxicity in humans" <i>Proc. Natl. Acad. Sci. USA</i> 90:11307-11311, National Academy of Sciences (1993)
TS	AT	<u>10</u>	Nicoletti, V.G., and Condorelli, D.F., "Optimized PEG Method for Rapid Plasmid DNA Purification: High Yield from "Midi-Prep"," <i>BioTechniques</i> 14:532, 534, 536, Eaton Publishing Company (1993)

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	AN						Yes No
	AO						Yes No
	AP						Yes No

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TS	AR	<u>11</u>	Overbeek, P.A., <i>et al.</i> , "Tissue-Specific Expression in Transgenic Mice of a Fused Gene Containing RSV Terminal Sequences," <i>Science</i> 231:1574-1577, American Association for the Advancement of Science (1986)
TS	AS	<u>11</u>	Raymond, G.J., <i>et al.</i> , "Large-Scale Isolation of Covalently Closed Circular DNA Using Gel Filtration Chromatography," <i>Analytical Biochemistry</i> 173:125-133, Academic Press (1988)
TS	AT	<u>11</u>	Sambrook, J., <i>et al.</i> , "Extraction and Purification of Plasmid DNA," <i>Molecular Cloning, A Laboratory Manual, Second Edition</i> , Cold Spring Harbor Laboratory Press, pp.1.21-1.52 (1989)

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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	AN						Yes
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	AO						Yes
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	AP						Yes
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TS	AR	12	Summerton, J., <i>et al.</i> , "A Rapid Method for Preparation of Bacterial Plasmids," <i>Analytical Biochemistry</i> 133:79-84, Academic Press (1983)
TS	AS	12	Swanstrom, R., <i>et al.</i> , "Nucleotide sequence of cloned unintegrated avian sarcoma virus DNA: Viral DNA contains direct and inverted repeats similar to those in transposable elements," <i>Proc. Natl. Acad. Sci. USA</i> 78:124-128, National Academy of Sciences (1981)
TS	AT	12	Thompson, J., "A Review of High-Performance Liquid Chromatography in Nucleic Acids Research. III. Isolation, Purification, and Analysis of Supercoiled Plasmid DNA," <i>BioChromatography</i> 1:68-80 (1986)

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FORM PTO-1449

**FIRST SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**ATTY. DOCKET NO.
1530.0550001/EKS/LAVAPPLICATION NO.
10/719,978APPLICANT(S)
Budahazi *et al.*FILING DATE
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TS	AR	13	Thompson, J.A., <i>et al.</i> , "Purification of Nucleic Acids by RPC-5 ANALOG Chromatography: Peristaltic and Gravity-Flow Applications," <i>Methods in Enzymology</i> 100:368-399, Academic Press (1983)
TS	AS	13	Westphal, H., <i>et al.</i> , "Promoter Sequences of Murine α A Crystallin, Murine α 2(I) Collagen or of Avian Sarcoma Virus Genes Linked to the Bacterial Chloramphenicol Acetyl Transferase Gene Direct Tissue-specific Patterns of Chloramphenicol Acetyl Transferase Expression in Transgenic Mice," <i>Cold Spring Harbor Symp. Quant. Biol.</i> 50:411-416, Cold Spring Harbor Laboratory Press (1985)
TS	AT	13	Willis, E.H., <i>et al.</i> , "Prep-A-Gene™: A Superior Matrix for the Purification of DNA and DNA Fragments," <i>BioTechniques</i> 9:92-99, Eaton Publishing Company (1990)

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TS	AR	<u>14</u>	Yamada, O., <i>et al.</i> , "A new method for extracting DNA or RNA for polymerase chain reaction," <i>J. Virol. Methods</i> 27:203-210, Elsevier/North-Holland Biomedical Press (1990)
TS	AS	<u>14</u>	International Search Report for International Application No. PCT/US03/37665, European Patent Office, Netherlands, mailed on December 17, 2004
TS	AT	<u>14</u>	Dialog File 351, Accession No. 10142972, Derwent English language abstract for DE 43 21 904 (Document AM3)

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